

OBDII

Plug & track, easy installation, no wires required, save integrator's time and cost. Start the tracking immediately

TOPFLY tech

TorchX 310

4G

LTE CAT M1 and GSM easy install OBDI tracking device designed for light and heavy duty vehicles.



70.0g (2.6oz)



52.8mm x 47.8mm x 24.8mm
(2.08" x 1.88" x 0.98")



-30°C ~ +80°C
(-22°F ~ 176°F)



Operating Voltage: 7V to 32V DC
with internal Li-Polymer battery



Light and Heavy Vehicle Data Reading



Firmware Over the Air



Built-in Buzzer for Driver Coaching



Global Bands Supported



Driving Behavior Monitoring



Crash Detection



BLE 5.0



Towing Alarm



ELD Supported

Light Car



Heavy Duty



Fleet management



TorchX 310 SPEC

Network/Operating Band	
Models	TorchX 310
Operating Band	LTE FDD Cat M1:B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66/B85 LTE FDD Cat NB2:B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28/B66/B71/B85 GSM/EDGE: 850/900/1800/1900 MHz
Data Transmission	eMTC: Max. 588 (DL), Max. 1119 (UL) NB1: Max. 32Kbps (DL), Max. 70Kbps (UL) NB2: Max. 127 (DL), Max. 158.5 (UL) EDGE: Max. 296Kbps (DL), Max. 236.8Kbps (UL) GPRS: Max. 107Kbps (DL), Max. 85.6Kbps (UL)
GNSS Specifications	
GNSS Chipset	All-In-One GNSS Receiver
Parallel GNSS	GPS+Beidou+Galileo+QZSS (SBAS)
Receiver Type	24 tracking / 64 acquisitions- channel GNSS receiver
Sensitivity	Acquisition: -148 dBm Reacquisition: 159 dBm Tracking: -162 dBm
Position Accuracy in open sky (CEP-50)	Autonomous: < 1.5 m
Standalone TTFF	Cold Start: < 20s (30s) Warm Start: < 2 (2s) Hot Start: < 2s (2s)
Interfaces	
OBDII Connector (The function varies based under different configurations)	ISO 15765, SAE J1939,ISO 14230(KWP2000) ISO9142-2,SAE J1708
SIM card	Nano SIM card slot
LTE/GNSS/Wi-Fi/BLE Antenna	Internal only
Indicator LED	Network, GNSS and Diagnostic
FOTA	Yes
BLE (Bluetooth Low Energy)	5.0
USB	Mirco USB /Configuration,upgrade and debug
Buzzer	Event triggering
Air Interface Protocol	
Transmit Protocol	TCP, UDP, MQTT, SMS
Data Security & Encryption Option	MD5/ AES128
BLE Accessory Support	Yes
OBDII Data Reading	Yes
Diagnostic Trouble Code (DTC)	Read and Erase
Scheduled Timing/angle/distance Report	Report position and status at preset intervals
External Power Status Alarm	Report when external power is disconnected
Network Signal Jamming Detection	Report network jamming
Driving Behavior Monitoring	Aggressive driving behavior detection, e.g., harsh braking and acceleration
Crash Detection	Accident data collection for reconstruction and analysis
Data Roaming Control	Avoid additional data consumption

TorchX 310 SPEC

General Specifications	
Dimensions	52.8mm*47.8mm*24.8mm (2.08" *1.88" *0.98")
Weight	70.0g (2.6oz)
Backup Battery	Li-Polymer 100 mAh/3.7V
Operating Voltage	7V to 32V DC
Operating Temperature	-30°C ~ +80°C (-22°F ~ 176°F)
Storage Temperature	-40°C ~ +85°C (-40°F ~ 185°F)
Industry Certifications (Planned)	
FCC, PTCRB, IC, AT&T, US Cellular, T-Mobile	